SMART SENSORS

UNIVERSITY OF UTAH

CENTER

Smart Sensors probe the environment and modify their function in order to improve their data gathering capability. A smart sensor adapts to its environment, and sends improved data to the main processing computer. A smart sensor melds sensor, signal processing, and computer technologies. Applications span medicine, precision agriculture, electronics manufacturing, wireless communication, transportation and radar.

TECHNOLOGY

The Center for Smart Sensors focuses on two core technologies that have the greatest commercial potential, and five support technologies that are key aspects of the Center and enable the development and implementation of products utilizing the core technologies. This year new methods have been added and are available for the core technologies, license agreements are near in each of the core technology areas. Additional patents and invention disclosures have been filed in both core areas this year. Both families of technologies are based on simple ideas and simple circuits that result in two critical advantages **-- Small and Cheap**. This makes them applicable to a wide array of applications.

ACCOMPLISHMENTS

This year the Center for Smart Sensors moved to the University of Utah from Utah State University. After this move, a number of critical partnerships were established and a spin out company was created to act as a development intermediary. The center funding has been a critical part in developing prototypes that are of interest to potential licensees.

THINK TANK

What if there was...

An early warning system for computer disk drive failure, a pre-flight test system for aging aircraft wiring, and a system to protect military personnel from being overrun by tanks?

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